

STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0124389; AI 10481; PER20080001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

- I. **THE APPLICANT IS:** Ward's Waste Services, LLC
 P.O. Box 2067
 Natchitoches, LA 71457

- II. **PREPARED BY:** Angela Marse

- DATE PREPARED:** March 2, 2009

- III. **PERMIT ACTION:** LPDES permit LA0124389, AI 10481; PER20080001
 LPDES application received: January 2, 2008
 LPDES permit issued: none issued

IV. **FACILITY INFORMATION:**

A. The application is for the discharge of vehicle washwater, stormwater, and treated sanitary wastewater from a privately owned municipal waste hauling company serving Natchitoches and Coushatta.

B. The facility is located at 1717 Hwy. 3175 in Natchitoches, Natchitoches Parish.

C. There is no treatment for stormwater or washwater. A treatment facility for sanitary wastewater consists of extended aeration followed by an effluent reduction system.

D. Outfall 101*

| | | |
|---------------------|-----------|-------------------|
| Discharge Location: | Latitude | 31° 46' 53" North |
| | Longitude | 93° 06' 17" West |

Description: intermittent discharge of treated sanitary wastewater

Estimated Flow: 0.0004 MGD

Type of Flow Measurement which the facility is currently using: estimate calculated based on number of employees and DHH standard of 20 gallons/day/employee.

Outfall 001A

| | | |
|---------------------|-----------|-------------------|
| Discharge Location: | Latitude | 31° 46' 53" North |
| | Longitude | 93° 06' 17" West |

Description: intermittent discharge of stormwater runoff and treated sanitary wastewater from outfall 101

Estimated Flow: 0.131 MGD

Type of Flow Measurement which the facility is currently using: calculation based on rainfall event and area of the facility.

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Outfall 001B

Discharge Location: Latitude 31° 43' 53" North
Longitude 93° 6' 17" West

Description: intermittent discharge of washwater and treated sanitary wastewater from outfall 101

Estimated Flow: 0.0005 MGD

Type of Flow Measurement which the facility is currently using: water usage

*Outfall 101 can be discharged through 001A or 001B.

V. RECEIVING WATERS:

The discharge is into an unnamed ditch, thence into Sibley Lake in segment 101001 of the Red River Basin. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 101001 of the Red River Basin are as indicated in the table below^{1/}:

| Overall Degree of Support for Segment 101001 | Degree of Support of Each Use | | | | | | |
|--|-------------------------------|------------------------------|--------------------------------|------------------------------------|-----------------------|------------------------|-------------|
| | Primary Contact Recreation | Secondary Contact Recreation | Propagation of Fish & Wildlife | Outstanding Natural Resource Water | Drinking Water Supply | Shell fish Propagation | Agriculture |
| Partial | Full | Full | Not Supported | N/A | Full | N/A | Full |

^{1/}The designated uses and degree of support for Segment 101001 of the Red River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

Section 303(d) of the Clean Water Act as amended by the Water Quality Act of 1987, and EPA's regulations at 40 CFR 130 requires that each state identify those waters within its boundaries not meeting water quality standards. The Clean Water Act further requires states to implement plans to address impairments. LDEQ is developing Total Maximum Daily Loadings Studies (TMDLs) to address impaired waterbodies. Subsegment 101001 of the Red River Basin is impaired for PCBs. However, the impairment is attributed to industrial point source discharges and other measures are expected to result in attainment of uses (CALM Category 4b). In this case, remediation efforts are underway. Therefore, no TMDL will be done for Subsegment 100101.

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VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 101001 of the Red River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation
Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mrs. Angela Marse
Water Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

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IX. PROPOSED PERMIT LIMITS:**Final Effluent Limits:****Outfall 101**

Outfall 101 is an internal outfall and must be monitored before commingling with outfall 001 discharges. Discharges from outfall 101 contain treated sanitary wastewater. Effluent limits for facilities discharging treated sanitary wastewater in quantities less than 5,000GPD maximum expected flow (as calculated using sewage loading guidelines in the state sanitary code or alternative approved source) are based on the Class I Sanitary Discharge General Permit.

Final limits shall be effective the effective date of the permit and expire the expiration date of the permit.

| Effluent Characteristic | Monthly Avg. | Weekly Avg. | Basis |
|-------------------------|--------------|---------------|--|
| BOD ₅ | --- | 45 mg/l | Class I Sanitary Discharge General Permit and BPJ from previously issued water discharge permits for similar facilities/effluents. |
| TSS | --- | 45 mg/l | Class I Sanitary Discharge General Permit and BPJ from previously issued water discharge permits for similar facilities/effluents. |
| Fecal Coliform | --- | 400 col/100ml | Class I Sanitary Discharge General Permit and BPJ from previously issued water discharge permits for similar facilities/effluents. |

Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement.

Other Effluent Limitations:**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

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Outfall 001A

Outfall 001A is for the discharge of stormwater runoff during rain events. Effluent limitations are based on the Multi Sector General Permit (MSGP), Sector P. The MSGP is for stormwater associated with industrial activity. Washwater from trucks having come into direct contact with solid waste are not eligible for coverage under the multi-sector general permit, therefore the facility is being issued an individual permit.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

| Effluent Characteristic | Monthly Avg. | Weekly Avg. | Basis |
|-------------------------|--------------|-------------|---|
| TOC | --- | 50 mg/l | Multi Sector General Permit, Sector P. Land Transportation and Warehousing effective May 1, 2006. |
| Oil and grease | --- | 15 mg/l | Multi Sector General Permit, Sector P. Land Transportation and Warehousing effective May 1, 2006. |
| Total Suspended Solids | --- | Report mg/l | Multi Sector General Permit, Sector P. Land Transportation and Warehousing effective May 1, 2006. |

Other Effluent Limitations:**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

OUTFALL 001B

Outfall 001B is for the discharge of washwater. Wastes transported in trucks will consist of municipal solid waste. Washwater from trucks having come into direct contact with solid waste is not eligible for coverage under the exterior vehicle wash wastewater general permit; therefore the facility is being issued an individual permit. However, effluent limits are based on the LAG750000 Exterior Vehicle Wash Wastewater General Permit. (Ward's waste does not discharge volumes large enough to be regulated by EPA's Transportation and Equipment Cleaning Guidelines.) Trucks will be empty when they arrive at the facility. After washing, dispatched trucks will reduce odors and waste by-products carried onto local streets. No truck washing shall occur during rainfall events.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

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| Effluent Characteristic | Monthly Avg | Weekly Avg | Basis |
|--------------------------------------|-------------|-------------|---|
| TSS | N/A | 45 mg/l | General Permit LAG750000, Exterior Vehicle Wash Wastewater issued March 12, 2009. |
| COD | --- | 300 mg/l | General Permit LAG750000, Exterior Vehicle Wash Wastewater issued March 12, 2009. |
| Oil and Grease | N/A | 15 mg/l | General Permit LAG750000, Exterior Vehicle Wash Wastewater issued March 12, 2009. |
| Soaps and/or detergents ¹ | N/A | N/A | General Permit LAG750000, Exterior Vehicle Wash Wastewater issued March 12, 2009. |
| Visible Sheen ² | N/A | No Presence | General Permit LAG750000, Exterior Vehicle Wash Wastewater issued March 12, 2009. |

¹ You must document in a monthly inventory record the quantity and type of any Soap and/or Detergent that you use during each calendar month. Your inventory records should contain this information for each month beginning one month after the effective date of your permit. Do not submit your inventory records to LDEQ when you submit your DMRs and do not report on your DMRs the quantity of Soap and/or Detergent used during the reporting period. A Material Safety Data Sheet (MSDS) for each material used shall be available upon the initial use of a product. The permittee must keep the inventory records, the MSDS for each Soap and/or Detergent used, and copies of the facility's DMR records on file at the permitted facility.

² The limitation shall be "No Visible Sheen." Visual Observation shall be made once per day when discharge occurs and the presence or absence of a sheen recorded in a log. If a visual sheen is present, a letter of noncompliance shall be submitted in accordance with Part III.D.6.e. Retain manual log at the facility for three years. No DMR reporting shall be required.

Other Effluent Limitations:**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

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X. PREVIOUS PERMITS:

LPDES Permit No. LA0124389: None issued.

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:**A) Inspections**

A review of the files indicates the following inspection was performed for this facility.

Date: June 19, 2007

Inspector:

Findings and/or Violations:

1. A complaint was received regarding lack of control of washwater from the facility.
2. LDEQ Small Businesses is assisting with submittal of a permit application.

B) Compliance and/or Administrative Orders

Because this is a new LPDES permit, no formal compliance history exists for this facility. The applicant does not own and/or operate any similar facilities in Louisiana. Once issued, any violations of the permit will be subject to enforcement actions.

C) DMR Review

This is a new permit. There are no DMRs on file.

XII. ADDITIONAL INFORMATION:

This permit may be modified, or alternatively, revoke and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act or more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDLs; if the effluent standard, limitations, water quality studies or TMDLs so issued or approved;

- a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- b) Controls any pollutant not limited in the permit; or
- c) Requires reassessment due to change in 303(d) status of waterbody; or
- d) Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

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STORMWATER PROVISIONS

The permittee shall prepare, implement, and maintain a Storm Water Pollution Prevention Plan (SWP3) within six (6) months of the effective date of the final permit. The terms and conditions of the SWP3 shall be an enforceable Part of the permit. Any runoff leaving the developed areas of the facility, other than the permitted outfall(s), exceeding 50 mg/L TOC, 15 mg/L Oil and Grease, or having a pH less than 6.0 or greater than 9.0 standard units shall be a violation of this permit. Any discharge in excess of these limitations, which is attributable to offsite contamination, shall not be considered a violation of this permit. A visual inspection of the facility shall be conducted and a report made annually as described in Part II, Section B of the permit.

XIII. TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in this Statement of Basis.

XIV. REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 2006.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2008.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2008.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Ward's Waste Services, LLC, Ward's Waste Services, LLC, January 2, 2008.